



NEW WORK ITEM PROPOSAL

Proposer Secretary TC80	Date of proposal 2001-05-22
TC/SC TC 80	Secretariat United Kingdom
Date of circulation 2001-05-25	Closing date for voting 2001-08-31

A proposal for a new work item within the scope of an existing technical committee or subcommittee shall be submitted to the Central Office. The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information. The proposer may be a National Committee of the IEC, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Committee of Action or one of the advisory committees, or the General Secretary. Guidelines for proposing and justifying a new work item are given in ISO/IEC Directives, Part 1, Annex C (see extract overleaf). **This form is not to be used for amendments or revisions to existing publications.**

The proposal (to be completed by the proposer)

Title of proposal Maritime navigation and radiocommunication equipment and systems – Displays for the presentation of navigation related information – General requirements, methods of test and required test results		
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Technical Report		
Scope (as defined in ISO/IEC Directives, Part 3, 6.2.1) To establish an overall standard (for general requirements) that encompasses the display of all shipboard-navigation information, making all displays (i.e., from “stand-alone” to INS) to be more uniform and consistent.		
Purpose and justification , including the market relevance and relationship to Safety (Guide 104), EMC (Guide 107), Environmental aspects (Guide 109) and Quality assurance (Guide 102) . (attach a separate page as annex, if necessary) Better coordination/harmonization is needed among existing IEC TC80 WGs regarding information display for shipboard navigation systems. This includes: Radar-WG 1, ARPA (radar plotting)-WG 1, track control WG 1a, ECDIS-WG 7, AIS-WG 8A, VTS-related-WG 8a and INS -WG 10		
Target date	for first CD	for IS 2005-05.
Estimated number of meetings	Frequency of meetings 2 per year	Date and place of first meeting: St Johns Newfoundland during IEC TC 80 plenary 25 Sept 01
Proposed working methods	<input type="checkbox"/> E-mail	<input type="checkbox"/> ftp
Relevant documents to be considered IEC 60936 series, IEC 60872 series, IEC 62065, IEC 60945, IEC 61174, IEC 61993 series, IEC 61924		
Relationship of project to activities of other international bodies IMO navigation sub-Committee		
Liaison organizations IMO IHO IALA RTCM CIRM		Need for coordination within ISO or IEC ISO TC8
Preparatory work Check one of the two following boxes <input type="checkbox"/> A draft is attached for vote and comment <input checked="" type="checkbox"/> An outline is attached We nominate a project leader as follows in accordance with ISO/IEC Directives, Part 1, 2.3.4 (name, address, fax and e-mail): Michael Rambaut, TC 80 secretary (preliminary project leader, see attached note 5).		
Concerns known patented items (see ISO/IEC Directives, Part 2) <input type="checkbox"/> yes <input checked="" type="checkbox"/> no If yes, provide full information as an annex		Name and/or signature of the proposer M A Rambaut Secretary IEC TC80

Comments and recommendations from the TC/SC officers

Comments with respect to the proposal in general, and recommendations thereon				
1) Work allocation				
<input type="checkbox"/> Project team	<input checked="" type="checkbox"/> New working group	<input type="checkbox"/> Existing working group no:		
2) Draft suitable for direct submission as				
<input type="checkbox"/> CD	<input type="checkbox"/> CDV			
3) General quality of the draft (conformance with ISO/IEC Directives, Part 3)				
<input type="checkbox"/> Little redrafting needed	<input type="checkbox"/> Substantial redrafting needed	<input checked="" type="checkbox"/> no draft (outline only)		
4) Relationship with other activities				
In IEC				
In other organizations				
Other remarks				
Remarks from the TC/SC officers Important new standard bringing together the display issues of navigation related information into one standard to reduce confusion with display types, colours, symbology, night-time viewing, and other man machine interface issues. Will refer to stand alone displays for specific functions as well as displays for integrated functions. When the work is complete the other standards using displays such as radar and ecdis will need revising to refer to this standard.				
Remarks from the Sector Board				

Elements to be clarified when proposing a new work item**Title**

Indicate the subject matter of the proposed new standard.

Indicate whether it is intended to prepare a standard, a technical report or an amendment to an existing standard.

Scope

Give a clear indication of the coverage of the proposed new work item and, if necessary for clarity, exclusions.

Indicate whether the subject proposed relates to one or more of the fields of safety, EMC, the environment or quality assurance.

Purpose and justification

Give details based on a critical study of the following elements wherever practicable.

- The specific aims and reason for the standardization activity, with particular emphasis on the aspects of standardization to be covered, the problems it is expected to solve or the difficulties it is intended to overcome.
- The main interests that might benefit from or be affected by the activity, such as industry, consumers, trade, governments, distributors.
- Feasibility of the activity: Are there factors that could hinder the successful establishment or general application of the standard?
- Timeliness of the standard to be produced: Is the technology reasonably stabilized? If not, how much time is likely to be available before advances in technology may render the proposed standard outdated? Is the proposed standard required as a basis for the future development of the technology in question?
- Urgency of the activity, considering the needs of the market (industry, consumers, trade, governments etc.) as well as other fields or organizations. Indicate target date and, when a series of standards is proposed, suggest priorities.
- The benefits to be gained by the implementation of the proposed standard; alternatively, the loss or disadvantage(s) if no standard is established within a reasonable time. Data such as product volume or value of trade should be included and quantified.
- If the standardization activity is, or is likely to be, the subject of regulations or to require the harmonization of existing regulations, this should be indicated.

If a series of new work items is proposed, the purpose and justification of which is common, a common proposal may be drafted including all elements to be clarified and enumerating the titles and scopes of each individual item.

Relevant documents

List any known relevant documents (such as standards and regulations), regardless of their source. When the proposer considers that an existing well-established document may be acceptable as a standard (with or without amendments), indicate this with appropriate justification and attach a copy to the proposal.

Cooperation and liaison

List relevant organizations or bodies with which cooperation and liaison should exist.

Preparatory work

Indicate the name of the project leader nominated by the proposer.

Notes to be attached to 80/300/NP

1. This new work item deals with the technology for displays of navigation related information. This includes currently radar, radar plotting, electronic chart, automatic identity systems and integrated navigation systems
2. "P" members are requested to nominate their experts with appropriate credentials to the IEC electronic voting system and to the IEC TC80 secretariat as soon as is possible at mr@cirm.org (note all lower-case please) so that the first meeting can be planned.
3. Members wishing to be considered for the post of project leader should be aware of the technical issues currently being discussed at IMO with regard to all display issues including those relating to AIS.
4. Observer organizations wishing to take part are requested to contact the IEC TC 80 secretariat at the above e-mail address.
5. It is intended to have the first meeting of this new Working Group (WG13) during the IEC TC 80 Plenary meeting in Saint John's Newfoundland, which will be held between the 24th and 26th of September 2001. The Project Leader and the Convener, if not already appointed, will be chosen then.
6. The relationship with the existing working groups 1, 2, 7, 8A and 10 will be discussed at the first meeting and experts from these WG's are expected to take part, however it is intended that all display related issues should be addressed by this new WG except possibly data fusion which is an integration matter and will most likely be dealt with by WG 10, who are currently responsible for the future standard on Integrated Navigation Systems.

ANNEX

Outline

Maritime navigation and radiocommunication equipment and systems –

**Displays for the presentation of navigation related information –
General requirements methods of test and required test results**

- 1 Scope**
- 2 Normative references**
- 3 General requirements**
- 4 Technical requirements**
- 5 Safety requirements**
- 6 Methods of test**
- 7 Required test results**